

Serial No.: 07/726,812
Filed: July 8, 1991

Also filed herewith are a declaration pursuant to 37 C.F.R. §1.132, an Information Disclosure Statement with accompanying form PTO 1449, and five (5) sheets formal drawings.

The Commissioner is authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1300 (Our Order No. A-57660/DJB).

Kindly amend the present application in the following respects:

In the Specification:

At page 25, line 18, please delete "a".

In the claims:

17. (Amended) A method for the [in vitro] in vitro proliferation of a multipotent stem [progenitor] cell[s] comprising the steps of:

- (a) [isolating a cell from a mammal] dissociating mammalian neural tissue containing at least one multipotent stem cell; and
- (b) exposing [the] said dissociated multipotent stem cell to a culture medium containing at least one growth factor to proliferate said cell[.]
- (c) inducing the cell to proliferate, and
- (d) inducing the cell to differentiate].

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A1
~~2~~ 18. (Amended) [A method for the in vitro proliferation of progenitor cells according to] The method of Claim 17, wherein the [cell is isolated from] source of said neural tissue is a mouse[, and exposed to a culture medium containing epidermal growth factor].

A2
~~3~~ 19. (Amended) [A method for the in vitro proliferation of progenitor cells according to] The method of Claim 17, wherein the [cell is isolated from] source of said neural tissue is a human[, and exposed to a culture medium containing epidermal growth factor].

Please add the following claims:

C ~~4~~ 20. The method of Claim 17 wherein said growth factor is selected from the group consisting of epidermal growth factor, amphiregulin, ~~fibroblast growth factor~~, and transforming growth factor alpha.

A3 ~~5~~ 21. The method of Claim 17 wherein said growth factor is epidermal growth factor.

C Sub E² ~~6~~ 22. The method of Claim 17 wherein said culture medium of step (b) is a defined culture medium and wherein said dissociated multipotent stem cell is not preexposed to serum in vitro.

~~7~~ 23. The method of Claim 17 wherein said multipotent stem cell is capable of proliferation in vitro without limit.

~~8~~ C 24. The method of Claim 17 wherein said cell is proliferated in suspension.